

Lessons:

1. Leather Fundamentals and Terminology

- a. Tanning Process
- b. Finishing Process
 - i. Examples
 - ii. Application
- c. Dye – Pigment
 - i. Differences
 - ii. Examples
- d. Basic Care Issues
 - i. pH issues
 - ii. Cleaning
 - iii. Conditioning

2. Leather Repair Tools

- a. Kit Review
 - i. Chemicals
 - ii. Finishes
 - iii. Tools
- b. Safety considerations
 - i. Electrical
 - ii. Drops and rags
- c. Maintenance considerations
- d. Kit management

3. Assessing Damage Strategies

- a. Type of leather
- b. What is damage vs. natural characteristic
 - i. If natural, should it be “repaired”
- c. Nature of damage
 - i. Cuts and tears
 - ii. Rubs, scuffs and abrasions
 - iii. Stains
 - 1. food
 - 2. oil
 - 3. urine
 - 4. slobber or saliva - animal, child
 - iv. Burns
 - v. Scratches
 - vi. Ink
 - vii. Animal chews
 - viii. Cat claws
 - ix. Body oil
 - x. Holes
 - xi. Odor
- d. Location of damage
- e. Environment
 - i. Lighting
 - ii. Attitudes and expectations
- f. Set-up procedures
- g. Spill and overspray controls
- h. What is repairable – what isn’t
 - i. Knowing when to walk away
- i. What is an acceptable repair
 - i. Strive for perfection – be willing to accept less

- ii. Remember – you didn't cause the damage
- iii. Goal is to improve the visual
- iv. 5 foot rule
- v. Independent observer rule
- vi. Full disclosure *before* you begin
- j. Demonstration of a repair
 - i. Remember – less is best.

4. The Preparation Process

- a. Checking nature and condition of finish on leather, if any
 - i. Delicate leather considerations
 - ii. Adhesion testing
 - iii. pH damage
 - iv. Body oils
 - v. Fading
 - vi. Finish oxidation
 - vii. Dye transfer and related conditions
- b. Chemicals for Cleaning and Priming – Role for Each
 - i. Water
 - ii. Alcohol
 - 1. Denatured
 - 2. Isopropyl
 - iii. Methanol
 - iv. Degreaser
 - v. Acetone
 - vi. OMS
 - vii. Leather Cleaner
 - viii. Spot Remover
 - ix. Ink Remover
 - x. Conditioner
 - xi. PUP and Derivatives
 - xii. Replenishing oils
- c. Sanding

5. Sub-patching

- a. When is it necessary
- b. Why
- c. What
- d. How
- e. Adhesives
- f. Technique

6. Fillers

- a. How they work
- b. When to use what
- c. How to fill
- d. Curing
 - i. Bulb
 - ii. Other heat source
- e. Problems and pit-falls

7. About Exotics

- a. Calf skin
- b. Pure aniline
- c. Brushed (Nubuck)
- d. Suede

- e. Pig skin
- f. Deer
- g. Ostrich
- h. Others

8. Leather Finishes

- a. Basic chemical composition
 - i. Water base
- b. Color
- c. Top-coat
- d. Effect of feel (hand)

9. Color Theory

- a. Chroma
- b. Hue
- c. Value
- d. Color wheel
- e. ROY G BIV

10. Color Matching

11. Application Methods and techniques

- a. Air brush
- b. Sprayers
- c. Rub technique
- d. Brush
- e. Curing considerations

12. Introduction to Mottled Colors

- a. Basics of base and print
- b. Tipped leathers
- c. Interaction of two or more colors
- d. Methods
 - i. Stencils
 - ii. Sponging
 - iii. Splatter
 - iv. Dusting

13. Grain matching

- a. Spray grain
- b. Graining tools
- c. Application techniques

14. Top Coats

- a. Importance of sheen
- b. Protection characteristics
- c. Feel modifiers
- d. Coverage
- e. Curing

15. Concluding the repair

- a. Clean-up strategies